Title (en)

METHOD FOR CURVE RECOGNITION AND AXLE ALIGNMENT IN RAIL VEHICLES

Title (de)

VERFAHREN ZUR KURVENERKENNUNG UND ACHSAUSRICHTUNG BEI SCHIENENFAHRZEUGEN

Title (fr)

PROCEDE DE RECONNAISSANCE DE COURBES ET D'ALIGNEMENT D'ESSIEUX POUR VEHICULES SUR RAILS

Publication

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Application

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Abstract (en)

[origin: WO9965751A1] The invention relates to a method for measuring the curvature of a track for a running gear for rail vehicles and a method for aligning in a steering manner and in accordance with the curvature of the track an axle of a rail vehicle, which axle is rotationally mounted on a running gear frame. The track curvature is calculated by dividing a yaw velocity by a forward velocity and the wheels are aligned in accordance with a specified steering angle (gamma soll) which is calculated by multiplying the track curvature (χ) by half the distance (b) between the two axles (12, 13) of the running gear (10).

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